

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE OF PAGES 1 3		
2. AMENDMENT/MODIFICATION NO. 0001		3. EFFECTIVE DATE November 7, 2006		4. REQUISITION/PURCHASE REQ. NO. SC0600-06-0251		5. PROJECT NO. (If applicable)	
6. ISSUED BY Defense Energy Support Center 8725 John J Kingman Rd., Suite 4950 Buyer/Symbol: Joan M. Brickhill/ DESC-APC Phone: (703) 767-8524 Fax: (703) 767-8573 Email: Joan.Brickhill@dla.mil Purchase Program: 5.7		CODE SCO600		7. ADMINISTERED BY (If other than Item 6)			CODE
8. NAME AND ADDRESS OF CONTRACTOR (NO., street,city,county,State,and ZIP Code)				(✓)			
				X			
				9A. AMENDMENT OF SOLICITATION NO. SP0600-07-R-0400			
				9B. DATED (SEE ITEM 11) October 13, 2006			
				10A. MODIFICATION OF CONTRACT/ORDER NO.			
				10B. DATED (SEE ITEM 13)			
CODE		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<p><input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended <input checked="" type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning <u> 2 </u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) by separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b)							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return <u> </u> copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
<u>BITUMINOUS/SUB-BITUMINOUS COAL – PURCHASE PROGRAM 5.7 – ALASKA</u>							
<p>1. Clause E1.04, QUALITY PROVISIONS (COAL), listed on Pages 2 and 3 of this amendment, is hereby revised to include ASTM methods for fluorine testing and applies to Line Items 0002/0002AA, Clear AFS, and 0003/0003AA Eielson AFB, AK. Offerors are advised that in addition to mercury and chlorine testing, testing for fluorine, in accordance with ASTM D 3761, & D 5987, must also be performed for every shipment. Offerors are advised to include this cost in their total cost for coal testing.</p>							
Continued on Page 2 of 3							
Except as provided herein, all terms and conditions of the document referenced in Items 9A or 10A, as heretofore changed, remain unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)				
			DONNA M. FRANKEL Contracting Officer				
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				_____ (Signature of Contracting Officer)			

E1.04 QUALITY PROVISIONS (COAL) (DESC OCT 2006)

RESPONSIBILITY FOR INSPECTION. Unless otherwise specified in the contract, the Contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract, the Contractor may use its own or any other facilities suitable for performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any inspection deemed necessary to assure supplies and services conform to the contract specifications.

(a) **QUALITY CONFORMANCE INSPECTION.** Individual lots shall be examined as specified herein and subjected to tests for all requirements cited in the Schedule.

(b) **INSPECTION LOT.** A lot shall consist of a heterogeneous mixture of coal to be represented by a gross sample.

(c) **SAMPLING.**

(1) **SAMPLING FOR VERIFICATION OF PRODUCT QUALITY.** Each lot of coal shall be sampled for verification of product quality in accordance with ASTM D 2234, except as otherwise approved by the Contracting Officer's Quality Representative.

(2) **GROSS SAMPLE.** A gross sample is a sample representing one lot of coal and composed of a number of increments on which neither reduction nor division has been performed. One gross sample shall represent one lot of a quantity not to exceed 1,000 tons.

(3) **INCREMENT.** An increment is a small portion of the lot collected by one operation of a sampling device and normally combined with other increments from the lot to make a gross sample.

(4) **INCREMENT COLLECTION CLASSIFICATION.**

(i) The type of increment to be collected from the bulk lot shall be Type I as defined in ASTM D 2234.

(ii) The condition of increment collection shall be either Condition A or Condition B as defined in ASTM D 2234.

(iii) The spacing of increments shall be Systematic 1 as defined in ASTM D 2234 and be distributed throughout the entire lot.

(iv) The number and weight of the increments shall be as specified in Table 2 of ASTM D 2234. For example, raw coal with a top size of 2" will require a minimum of 35 increments taken systematically by either "stop-belt" or "moving stream" "condition" from the lot of 1000 tons or less. Each increment shall weigh a minimum of 6 lbs.

(5) **MECHANICAL COAL SAMPLING.**

(i) In response to this solicitation, Contractors proposing to use mechanical sampling equipment to satisfy the collection method for condition B, full stream cut as defined in ASTM D 2234, must include with the offer a detailed description of the sampling procedures, including drawings and operating instructions.

(ii) Contractor's written procedures, will also describe whether this sample method is ASTM approved (or equivalent) and complies with the collection criteria in D 2234 for obtaining a gross sample of coal.

(iii) Mechanical coal sampling systems, procedures and operations related thereto are subject to surveillance by the Quality Representative (QR) and must be acceptable to the Government. The Government's acceptance will be based on an evaluation of the above data and the recommendation/checklist submitted by the QR in accordance with ASTM D 4702.

(d) **PREPARING COAL SAMPLES FOR ANALYSIS.** The gross sample shall be prepared for analysis in accordance with ASTM D 2013.

(e) **TEST METHODS.** The standard test methods used for coal to determine conformance to chemical and physical requirements of the contract shall be conducted in accordance with ASTM standards listed in Table I:

TABLE I

<u>TEST</u>	<u>ASTM TEST METHOD NUMBER</u>
Moisture, Total (as received)	D 3173, D 3302 (D 2013), or D 2961 (to be used for bituminous coal only, total moisture content not to exceed 10%)
Volatile Matter, Dry	D 3175
Ash, Dry	D 3174
Sulfur, Dry	(1) D 4239 (Method B or C)
BTU, Dry	D 2015, D 3286, or D 1989
Ash Softening Temperature °F	(2) D 1857
Mercury, ppm	D 3684, D 6722
Chlorine, Percent	D 2361, D 6721, D 4208
Fluorine	D 3761, D 5987

E1.04 Cont'd

<u>TEST</u>	<u>ASTM TEST METHOD NUMBER</u>
Free Swelling Index	D 720
Hardgrove Grindability	D 409
Sieve Analysis/Coal Size	(3) D 4749
Sodium (Na ₂ O)	(4) D 3682
Major and Minor Trace Elements (Mineral Ash)	D 6357; D 6349 or D 4326
Slagging and Fouling Characteristics	(5) Multi-process calculation

FOOTNOTES

- (1) Authorized Alternative Method A or B, ASTM D 3177.
- (2) Report ash fusion temperature as tested in a reducing atmosphere.
When H=1/2W is indicated in the Schedule of Supplies, the analysis will report the Hemispherical Temperature (HT).
- (3) Disregard Table 3 (D 4749) for gross sample quantity and utilize the Raw (Uncleaned Coal) section of Table 2, ASTM D 2234. Collect the gross sample for sieve analysis by doubling the number of increments listed for Raw (Uncleaned Coal), according to top size, for General Purpose Sampling Procedure (Table 2). The actual weight of the gross sample tested will be shown on the analytical test report. This gross sample is intended for sieve analysis determination only.
- (4) When specified in the contract.
- (5) Determination process requires initial testing of Major and Minor Trace Elements (Mineral Ash).
 - (a) Step 1 – Determine the base/acid ratio: $(\text{Fe}_2\text{O}_3 + \text{CaO} + \text{MgO} + \text{K}_2\text{O} + \text{Na}_2\text{O}) / (\text{SiO}_2 + \text{TiO}_2 + \text{Al}_2\text{O}_3)$
 - (b) Step 2 – Determine the fouling factor: base/acid ratio is multiplied by NaO value.
 - (c) Step 3 – Determine the Slagging Factor: base/acid ratio is multiplied by the as received sulfur percent.

(f) LABORATORY ACCEPTANCE.

(1) For evaluation by the Government, the Contractor's laboratory will have available and submit to the QR, at a minimum, the information required by the Sample Worksheet (FIG.X1.1), ASTM D 4182, unless evidence of laboratory accreditation from an independent laboratory association can be supplied by the Contractor.

(2) When applicable, the following requirements will be added as a continuation to the sample worksheet evaluation:

VII GRINDABILITY (Hardgrove - Machine).

- A Date of last calibration. Was calibration chart prepared?
- B Is revolution counter operating and does it stop automatically after setting at 60 revolutions?
- C Are sieving and weighing operations carried out without delay?

VIII FREE-SWELLING INDEX.

- A Are proper temperature and rate of temperature rise for either electric or gas heating maintained?
- B Do test buttons compare well to the standard profiles?

IX SIEVE ANALYSIS/COAL SIZE.

- A Are round hole sieves with a staggered pattern used when sizing for 1/4" or larger coal?
- B Do sieve plates show any visible damage?
- C Are sieve plates painted, plated, or coated?
- D Is a continuous mechanical sieve shaker used?
- E Before and after sieving, is the test sample/sieved coal weighed to within .5% or better?
- F Does the scale have a calibration certificate?

(DESC 52.246-9FC5)